

VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda
Bids and Proposals

TO : President and Village Board of Trustees
FROM : Scott R. Niehaus, Village Manager
DATE : December 14, 2016 Agenda Date January 5, 2017
TITLE : Bid Opening For: New Aerial Truck
SUBMITTED BY: Carl Goldsmith, Director of Public Works *CG*

RESULTS:

Date Bids Were Published NJPA Joint Purchase Contract # 031014-ALT
Bidding Closed _____
Total Number of Bids Received _____
Total Number of Bidders Meeting Specifications _____
Bid Security Required _____ Yes _____ X No
Performance Bond Required _____ Yes _____ X No
Were Any Bids Withdrawn _____ Yes _____ X No
Explanation:
Waiver of Bids Requested? _____ Yes _____ X No
If yes, explain:
Award Recommended to Lowest _____ X Yes _____ No
Responsible Bidder?
If no, explain:

FISCAL IMPACT:

Engineer's estimate/budget estimate \$ 120,000.00
Amount of Award \$ 97,213.00

BACKGROUND/RECOMMENDATION:

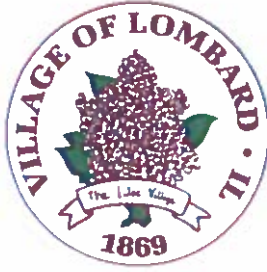
Staff seeks Board approval to award a contract to Altec Industries for a new Ford F-550 bucket truck.

Has Recommended Bidder Worked for Village Previously _____ Yes X No
If yes, was quality of work acceptable _____ Yes _____ No
Was item bid in accordance with Public Act 85-1295? X Yes _____ No
Waiver of bids - Public Act 85-1295 does not apply _____ Yes

REVIEW (as needed):

Village Attorney XX _____ Date _____
Finance Director XX _____ Date _____
Village Manager XX _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 4:30 pm, Wednesday, prior to the Board Agenda distribution.



December 14, 2016

TO: Village President and Board of Trustees
FROM: Carl Goldsmith, Director of Public Works *CG*
SUBJECT: Vehicle Request - Aerial Truck

Background

The FY 2017 budget includes the replacement of the 2007 Ford F-450 service truck (TS335) assigned to the Technical Services function. The vehicle is outfitted with equipment used in the maintenance and installation of transportation related signage and markings. The truck was designed to meet the operational needs of the department with the limiting factor of not having an aerial lift for the replacement of signage on mast arms. The replacement strategy developed for the vehicle would include an aerial lift to provide full functionality to the technical services function. At the same time as the Technical Services discussion was taking place, the Streets/Electrical Group was seeking more efficient ways to address the aging street lighting system in Lombard.

Currently the Village contracts out street light repairs that include simple repairs such as bulb changes, photo cell replacement and ballast repairs. These tasks are routine and could be accomplished by in-house personnel; however, the Village currently lacks the necessary equipment to safely reach and repair the street lights. A smaller bucket truck would allow the in-house electrical employees to complete this work with a quicker response and lesser expense to the Village. In May of this year, the Streets/Electric Group began a pilot program to make the minor repairs to the Village's street lights when possible. The electrical group has seen an average reduction in the monthly invoice from the outside contractor in the amount of \$4,000.00. I believe the savings could increase with the use of a dedicated small bucket truck. These repairs were made using the Village's only aerial lift, which is used in the Forestry Group.

The Village currently operates a bucket truck in the forestry group that is on a larger truck chassis and has a 60' aerial man lift. While this truck is ideal for forestry operations, it can be difficult to use for street light maintenance operations or in more space restricted areas. The addition of a smaller truck with an aerial lift would benefit Village operations and the community. Additional benefits of a second aerial truck could include; better response to storm damage, street sign maintenance, holiday light maintenance, tree trimming in confined areas, traffic signal maintenance, retrofitting existing street lights with L.E.D. light heads and facility maintenance. Additionally staff could eliminate the outside contractor re-lamping street lights

and bring the work in-house. Attached is a spreadsheet detailing this proposed street lighting plan and the savings over a 10 year period (\$435,700).

In order to facilitate the acquisition of the aerial truck for the Streets/Electric Group, the depreciated amount in the Fleet Reserve Fund for the replacement of TS335 (currently \$120,000) would be used to purchase a 2017 Ford F-550 bucket truck. TS335 would be retained in the fleet for a period of three (3) years. During the three year deferment, the Village would be able to replenish the reserves for TS335, using the annual savings from street lighting maintenance and repairs being brought in-house. Based upon the test period since May 2016, the Village anticipates an annual savings of approximately \$40,000 year. The Village's contract for street light maintenance allows for the reduced scope of services provided by the contractor without affecting the pricing structure. The three year savings of \$120,000 would be sufficient to cover the reserves necessary for the replacement of TS335. The aerial lift would be purchased through the Joint NJPA program at a cost of \$97,213. The delivery time for the aerial lift is expected to be (3) months.

Public Works staff has discussed this modification to the fleet reserve program with the Village Manager and the Finance Director, who are supportive of this change. Following the three (3) year period for the accelerated reserves, the Village would enjoy a reduction in the maintenance of the street light system of \$40,000 per year. This change will not result in the need for any additional staff or in any additional overtime expenses related to the maintenance and operation of the street lighting system.

Should you have any questions, please feel free to contact me. Thank you for your consideration of this matter.

Recommendation

Staff recommends that the Village President and Board of Trustees award a contract to Altec Industries in the amount of \$97,213 for one new aerial truck. Please submit this item to the Village Board for their consideration at the January 5, 2016 meeting.

**Lombard Public Works
Bucket Truck Fiscal Analysis**

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total cost
Equipment/Depreciation Expenses	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 500	\$ 5,500
maintenance/insp. (truck)												
Tech serv. Truck resv.	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 14,000	\$ 140,000
Bucket truck resv.	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 400,000
Set Aside for Replacement of TS 355	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 54,500	\$ 545,000
TOTAL RESERVE & SET ASIDE	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 113,000	\$ 1,130,000

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total cost
Current Street Light Contract	\$ 4,800	\$ 4,800	\$ 4,800	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 56,400
Street light insp. Contract	\$ 82,200	\$ 82,200	\$ 82,200	\$ 82,200	\$ 82,200	\$ 82,200	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 85,000	\$ 918,200
Street Light repairs	\$ 33,000	\$ 33,000	\$ 35,000	\$ 35,000	\$ 35,000	\$ 37,000	\$ 37,000	\$ 37,000	\$ 39,000	\$ 39,000	\$ 39,000	\$ 399,000
Re-lamping contract (3 year)	\$ 120,000	\$ 120,000	\$ 122,000	\$ 122,200	\$ 122,200	\$ 124,200	\$ 127,000	\$ 127,500	\$ 129,500	\$ 129,500	\$ 129,500	\$ 1,373,600
TOTAL ANNUAL CONTRACT	\$ 240,000	\$ 240,000	\$ 244,000	\$ 244,400	\$ 244,400	\$ 246,400	\$ 249,000	\$ 250,000	\$ 259,000	\$ 259,000	\$ 259,000	\$ 2,776,200

	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total cost
Proposed Street Light Contract	\$ 4,800	\$ 4,800	\$ 4,800	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 56,400.00
Street light insp. Cont.	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 460,000.00
Street light repairs (50%/50%)	\$ 33,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 156,000.00
re-lamping in-house (3 year)	\$ 82,800	\$ 59,800	\$ 59,800	\$ 60,000	\$ 57,000	\$ 57,000	\$ 57,000	\$ 57,500	\$ 60,500	\$ 60,500	\$ 60,500	\$ 672,400.00
TOTAL PROPOSED CONTRACT	\$ 165,600	\$ 129,600	\$ 129,600	\$ 135,000	\$ 134,000	\$ 134,000	\$ 134,000	\$ 135,000	\$ 141,500	\$ 141,500	\$ 141,500	\$ 1,644,800.00

Total cost of contract 10yr \$ 1,373,600.00
Equip. and Proposed cost \$ 937,900.00
10 yr difference/savings \$ 435,700.00



Opportunity Number: 778422
 Quotation Number: 342507
 NJPA Contract #: 031014-ALT
 Date: 10/28/2016

Quoted for: Village of Lombard
 Customer Contact:
 Phone: /Fax: /Email:
 Quoted by: Dan Brown
 Phone: 270-505-1524 /Fax: 270-360-0601 /Email: dan.brown@altec.com
 Altec Account Manager: Clay Graves

REFERENCE ALTEC MODEL

AT37-G	Articulating Telescopic Aerial Device (Insulated) Per NJPA Specifications plus Options below	\$86,068
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(A.) NJPA OPTIONS ON CONTRACT (Unit)

1	AT37-G-EDC	Secondary Stowage System	\$1,112
2	AT40-G-BASE	40' Boom Height (AT40-G) requires ISO option	\$1,933
3	AT37-G-ISO	ISO boom - MUST QUOTE for 40' boom height (n/a on base model)	\$4,575
4			

(A1.) NJPA OPTIONS ON CONTRACT (General)

1			
2			
3			
4			
5			
6			
7			
8			

NJPA OPTIONS TOTAL: \$93,688

(B.) OPEN MARKET ITEMS (Customer Requested)

1	UNIT		
2	UNIT & HYDRAULIC ACC		
3	BODY		
4	BODY & CHASSIS ACC		
5	ELECTRICAL		
6	FINISHING		
7	CHASSIS	2016 chassis ILO 2014 chassis	\$2,813
8	OTHER		

OPEN MARKET OPTIONS TOTAL: \$2,813

SUB-TOTAL FOR UNIT/BODY/CHASSIS: \$96,501
 Delivery to Customer: \$712
 TOTAL FOR UNIT/BODY/CHASSIS: \$97,213

(C.) ADDITIONAL ITEMS (Items are not included in total above)

1			
2			
3			
4			

****Pricing valid for 45 days****

NOTES

PAINT COLOR: White to match chassis, unless otherwise specified
WARRANTY: Standard Altec Warranty - One (1) year parts warranty One (1) year labor warranty Ninety (90) days warranty for travel charges (Mobile Service) Limited Lifetime Structural Warranty. Chassis to include standard warranty, per the manufacturer. (Parts only warranty on mounted equipment for overseas customers)
TO ORDER: To order, please contact the Altec Inside Sales Representative listed above.
CHASSIS: Per Altec Commercial Standard
DELIVERY: Based on stock unit availability
TERMS: Net 30 days
BEST VALUE: Altec boasts the following "Best Value" features: Altec ISO Grip Controls for Extra Protection, Only Lifetime Warranty on Structural Components in Industry, Largest Service Network in Industry (Domestic and Overseas), Altec SENTRY Web/CD Based Training, Dedicated/Direct Gov't Sales Manager, In-Service Training with Every Order.
TRADE-IN: Equipment trades must be received in operational condition (as initial inspection) and DOT compliant at the time of pick-up. Failure to comply with these requirements, may result in customer bill-back repairs.
BUILD LOCATION: Elizabethtown, Kentucky



January 15, 2016
Our 87th Year

Ship To:
ALTEC INDUSTRIES PLANT 557 E-TOWN FINAL ASSEMBLY
ETOWN FINAL ASSEMBLY
200 ALTEC DR
ELIZABETHTOWN, KY 42701-2143
US

Bill To:
ALTEC INDUSTRIES PLANT 557 E-TOWN FINAL ASSEMBLY
ETOWN FINAL ASSEMBLY
200 ALTEC DR
ELIZABETHTOWN, KY 42701-2143
United States

Attn:
Phone:
Email:

Altec Quotation Number: 307051 - 2
Account Manager: No Sales Credit
Technical Sales & Support: Dan Brown

<u>Item</u>	<u>Description</u>	<u>Qty</u>
	<u>Unit</u>	
1.	ALTEC Model AT40-G telescopic articulating Aerial device with ISO-Boom.	1
	A. ISO Boom: the inner telescopic fiberglass boom maintains full dielectric integrity even with the fiberglass inner boom fully retracted.	
	B. Hydraulic platform leveling system.	
	C. Hydraulic tool circuit at the platform.	
	D. Emergency lowering valve at the platform.	
	E. Single handle control at the platform with a safety interlock system.	
	F. Two (2) operators and maintenance/parts manuals.	
	G. Working height: 45.6 feet	
	H. Side reach: 29.7 feet	
	I. Low-power fiber-optic control system (FOC-L).	
	J. Continuous rotation	
2.	AT40G Unit Model	1
3.	Post style pedestal mounting	1
4.	Poly Reservoir, Pedestal Mounted, 7 Gallon; Includes Sight Gauge.	1
5.	Single One-Man End-Mounted Platform With 180 Degree Rotator, 24 X 30 X 42. Platform is rated at 400 pounds. Control panel on platform dashboard provides controls for auxiliary functions. Includes emergency stop (push-pull) switch and rocker switches, which operate platform leveling, platform rotation, tools, and battery selector (for fiber-optic controls system). Composite fiberglass platform mounting bracket. (AT40G)	1
6.	Platform Leveling At Lower Controls. AT40-G	1

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<u>Item</u>	<u>Description</u>	<u>Qty</u>
7.	Two (2) Platform Steps	1
8.	Soft nylon reinforced vinyl platform cover for a 24 x 30 inch platform	1
9.	Platform liner for a 24 x 30 x 42 inch platform	1
10.	4-Function Single Handle Fiber-Optic Controller.	1
11.	Engine Start/Stop at the upper controls actuated through the Fiber-Optic controls system with Secondary Stowage System (AT40G)	1
12.	Manual lowering valve located at the boomtip. For use in emergency situations to allow the operator to lower the boom to the ground	1
13.	Powder coat unit Altec White.	1
<u>Unit & Hydraulic Acc.</u>		
14.	HVI-22 Hydraulic Oil (Standard).	9
15.	Standard Pump For PTO	1
16.	Hot shift PTO for automatic transmission	1
<u>Body</u>		
17.	108 Inch Universal Small Aerial Body for a 60 Inch CA Chassis with 38 Inch Long Side Access Tailshelf to Meet the Following Specifications:	1
	A. Basic body fabricated from A40 grade 100% zinc alloy coated steel	
	B. All doors are full, double paneled, self-sealed with built-in drainage.	
	C. Electro-zinc plated, steel hinge rods extend full length of door.	
	D. Door hinges are zinc alloy material attached with rivets	
	E. All doors contain stainless steel, flush mounted, paddle activated rotary style latches with two-stage locking, including keyed locks and adjustable strikers.	
	F. Heavy-gauge welded steel frame construction with smooth galvaneal floor.	
	G. All edges are either rolled or folded for strength and safety	
	H. Door header drip rail at top for maximum weather protection.	
	I. Neoprene or rolled fenders on wheel fender panels.	
	J. Steel treated for improved primer bond and rust resistance.	
	K. Automotive underseal applied to body.	
	L. Automotive type non-porous door seals fastened to the door facing.	

<u>Item</u>	<u>Description</u>	<u>Qty</u>
M.	108 Inch Body Length	
N.	40 Inch Body Height (Standard)	
O.	94 Inch Body Width (Standard)	
P.	20 Inch Body Compartment Depth (Standard)	
Q.	Body Color - White (Standard)	
R.	Finish Paint Body At Body Manufacturer (Standard)	
S.	8 Inch Body Cross-members (Standard)	
T.	No Treadplate On Compartment Tops	
U.	6 Inch tall wood tailboard installed at the rear of body cargo area	
V.	No Compartment Lighting Supplied by the Body Manufacturer	
W.	Stainless Steel Rotary Paddle Latch With Lock (Standard)	
X.	Master Body Locking System (Standard)	
Y.	No Chock Holders In Line Body Fender Panel Required (Standard)	
Z.	Gas Shock Type Rigid Door Holders For Vertical Doors (Standard)	
AA.	Chains On Horizontal Doors	
AB.	Hotstick shelf extending full length of body on curbside.	
AC.	Drop-Down Hot Stick Door For One (1) Shelf (Right Side)	
AD.	Two (2) Hot Stick Brackets	
AE.	1st Vertical Street Side (LH) - Two (2) Adjustable Shelf With Removable Dividers On 4 Inch Centers	
AF.	1st Horizontal Street Side (LH) - One (1) Fixed Shelf With Removable Dividers On 8 Inch Centers	
AG.	Rear Vertical Street Side (LH) - Six (6) Adjustable Locking Swivel Hooks	
AH.	1st Vertical Curb Side (RH) - Seven (7) Adjustable Locking Swivel Hooks, Louvered Panel Installed in Cargo Wall	
AI.	1st Horizontal Curb Side (RH) - Vacant	
AJ.	Rear Vertical Curb Side (RH) - Two (2) Adjustable Shelf With Removable Dividers On 4 Centers	
AK.	Aluminum Rock Guards Installed at Bottom	
AL.	38" Tailshelf with Integrated Side Access Steps, Two Wheel Chock Holders, and Smooth Galvaneal Floor Installed at Rear of Body	

Body and Chassis Accessories

18.	ICC Underride Protection	1
19.	Combination 2 Ball (10,000 LB MGTW) And Pintle Hitch (16,000 LB MGTW)	1
20.	Set Of Eye Bolts for Trailer Safety Chain, installed one each side of towing device mount.	1
21.	Front Torsion Bar Installed On Chassis	1
22.	Rear Torsion Bar Installed On Chassis	1
23.	Appropriate counterweight added for stability.	1

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UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>
24.	Platform Rest, Rigid with Rubber Tube	1
25.	Boom Rest for a Telescopic Unit	1
26.	Mud Flaps With Altec Logo (Pair)	1
27.	Wheel Chocks, Rubber with Metal Hairpin Style Handle, 9.75" L X 7.75" W X 5.00" H (Pair)	1
28.	Slope Indicator Assembly For Machine Without Outriggers	1
29.	Safety Harness And 4.5' Lanyard (Fits Medium To Xlarge) Includes Pouch and Placards	1
30.	5 LB Fire Extinguisher With Light Duty Bracket, Installed Per DEPS 042 (In Cab or Inside Compartment Only)	1
31.	Triangular Reflector Kit, Installed	1
32.	Vinyl manual pouch for storage of all operator and parts manuals	1

Electrical Accessories

33.	Lights and reflectors in accordance with FMVSS #108 lighting package. (Complete LED, including LED reverse lights)	1
34.	Altec Standard Amber LED Strobe Light With Brush Guard Post Mounted On Streetside Front Compartment Top	1
35.	Single tone back up alarm installed between the chassis frame rails at the rear of the chassis. To work in conjunction with chassis reverse drive system	1
36.	6-Way Trailer Receptacle (Pin Type) Installed At Rear	1
37.	Dash panel rocker switches supplied with Ford Chassis, 4 auxiliary switches supplied in up fitting package from Ford	1
38.	Start/Stop/Throttle Module, 12 Volt System	1
39.	Install secondary stowage system.	1
40.	PTO Indicator Light Installed In Cab	1

Finishing Details

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UTILITY EQUIPMENT AND BODIES SINCE 1929

<u>Item</u>	<u>Description</u>	<u>Qty</u>
41.	Powder Coat Unit Altec White	1
42.	Finish Paint Body Accessories Above Body Floor Altec White	1
43.	Altec Standard; Components mounted below frame rail shall be coated black by Altec. i.e. step bumpers, steps, frame extension, pintle hook mount, dock bumper mounts, D-rings, receiver tubes, accessory mounts, light brackets, under-ride protection, etc. Components mounted to under side of body shall be coated black by Altec. i.e. Wheel chock holders, mud flap brackets, pad carriers, boxes, lighting brackets, steps, and ladders.	1
44.	Apply Non-Skid Coating to all walking surfaces	1
45.	English Safety And Instructional Decals	1
46.	Vehicle Height Placard - Installed In Cab	1
47.	Placard, HVI-22 Hydraulic Oil	1
48.	Dielectric test unit according to ANSI requirements.	1
49.	Stability test unit according to ANSI requirements.	1
50.	Focus Factory Build	1
51.	Inbound Freight	1
52.	Altec Stock/Global Spec, AT40G, Ford F550 4x2, Diesel, 60CA, TB	1
53.	Quick Turnaround	1
54.	Stock Unit	1

Chassis

55.	Altec Supplied Chassis	1
56.	Altec Stock Chassis	1
	A. 2016 Model Year	
	B. Ford F550	
	C. Class V (16,001-19,500 LBS)	
	D. Chassis Color - White	
	E. Regular Cab	
	F. 4x2	
	G. 60 Clear CA (Round To Next Whole Number)	
	H. 141 Wheelbase	

<u>Item</u>	<u>Description</u>	<u>Qty</u>
I.	18,000 LBS GVWR	
J.	7,000 LBS Front Axle Rating	
K.	13,660 LBS Rear Axle Rating	
L.	Ford 6.7L Power Stroke Diesel	
M.	Ford 6R140 6-Speed Automatic Transmission (w/PTO Provision)	
N.	Ford E/F250-550 Single Horizontal Right Side Exhaust	
O.	98R - Operator Commanded Regeneration (OCR)	
P.	No Idle Engine Shut-Down Required	
Q.	Hydraulic Brakes	
R.	Park Brake In Rear Wheels	
S.	Ford 40 Gallon Fuel Tank (Rear)	
T.	Ford 6 Gallon DEF Tank (Mid Mount)	
U.	Block Heater	
V.	Snow Plow Package	
W.	Park Brake In Rear Wheels	
X.	Block Heater	
Y.	Snow Plow Package	

Additional Pricing

57.	Standard Altec Warranty: One (1) year parts warranty, one (1) year labor warranty, ninety (90) days warranty for travel charges, limited lifetime structural warranty	1
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Altec Industries, Inc.

BY

Dan Brown

Notes: